

ABSTRACT

BISTABLE NEMATIC LIQUID CRYSTAL DEVICE

5 A bistable nematic liquid crystal device includes an
array of upstanding features (10) on at least one cell
wall (2). The features (10) have a shape and/or
orientation to induce the liquid crystal director
adjacent the features (10) to adopt two different tilt
10 angles in substantially the same azimuthal direction.
The arrangement is such that two stable liquid crystal
molecular configurations can exist after suitable
electrical signals have been applied to the electrodes
(12, 14).

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